

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended): A method for preparing an intravenous drug in a vial, the method comprising:

providing a disposable cassette having (i) a liquid inlet for receiving a supply of liquid, ~~(ii) at least two vial receptacles, and (iii) a chamber for receiving a drug from at least one vial receptacle and for receiving liquid from the liquid supply~~ (ii) a first vial spike, (iii) a second vial spike, (iv) a variable-volume mixing chamber, the mixing chamber, the first and second vial spikes, and the liquid inlet being in fluid communication with each other, and (v) a valve mechanism, which may be actuated to control flow between the mixing chamber, the vial receptacles and the liquid inlet;

attaching the supply of liquid to the liquid inlet;

attaching a first ~~at least one~~ vial containing a drug to the first at least one vial slope receptacle;

introducing liquid from the liquid supply into the mixing chamber;

measuring and introducing a first volume of liquid from the mixing chamber into the first vial;

causing liquid to flow between the first vial and the mixing chamber;

attaching a second vial containing a drug to the second vial spike;

measuring and introducing a second volume of liquid from the mixing chamber into the second vial; and

causing the liquid to flow between the second vial and the mixing chamber.

Claim 2 (currently amended): The method according to claim 1, further comprising:

causing an additional volume of liquid to be mixed with at least one of the drugs ~~the drug~~ so as to further dilute the drug.

Claim 3 (currently amended): The method according to claim 2, wherein the cassette is provided with a variable-volume delivery chamber, and wherein the additional volume of liquid is mixed with the drug in the delivery chamber.

Claims 4-23 (canceled).

Claim 24 (currently amended): The method according to claim 26 ~~[[23]]~~, further comprising:
causing an additional volume of liquid to be mixed with the drug so as to further dilute the drug.

Claim 25 (previously presented): The method according to claim 24, wherein the cassette is provided with a delivery chamber, and wherein the additional volume of liquid is mixed with the drug in the delivery chamber.

Claim 26 (presently amended): A method for preparing an intravenous drug in a vial, the method comprising:

providing a disposable cassette having (i) a liquid inlet, (ii) a vial receptacle, and (iii) a chamber;

attaching a supply of liquid to the liquid inlet;

attaching the vial containing a powdered drug to the vial receptacle;

introducing a volume of liquid into the vial; and

causing the liquid to flow between the vial and the chamber to mix the powdered drug with the volume of liquid. ~~The method according to claim 23,~~

wherein the liquid is caused to flow repeatedly back and forth between vial and the chamber.

Claim 27 (currently amended): A method for preparing an intravenous drug in a vial, the method comprising:

providing a disposable cassette having (i) a liquid inlet, (ii) a vial receptacle, (iii) a mixing chamber, and (iv) a delivery chamber in communication with an outlet port, and wherein

both the mixing chamber and the delivery chamber are in valved communication with the inlet port;

- attaching a supply of liquid to the liquid inlet;
- attaching the vial containing the drug to the vial receptacle;
- measuring a volume of liquid in the delivery chamber;
- causing the volume of liquid to flow to the mixing chamber;
- introducing the volume of liquid into the vial; and
- causing the liquid to flow repeatedly back and forth between the vial and the mixing chamber to create a mixture.

Claim 28 (previously presented): The method according to claim 27, further comprising:
causing an additional volume of liquid to be mixed with the drug so as to further dilute the drug.

Claim 29 (previously presented): The method according to claim 28, wherein the additional volume of liquid is mixed with the drug in the delivery chamber.